EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20070138004").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/12 08:12
S2	2	("0400826").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:12
S3	2	("0400826").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:13
S4	7	("2043219").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:52
S5	16	"2043219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 18:02
S6	4	"02043219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 18:04

S7	1	IQBT tube	US-PGPUB; USPAT	ADJ	ON	2009/02/13 09:19
S8	1	IQBT tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 09:20
S9	1917	punch device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:05
S10	87	S9 and (air permeab$6 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:07
S11	1	S10 and (IQBT tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:08
S12	456	204/222	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:37

S13	0	("L7and(airpermeab$6orelectrode").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/13 10:38
S14	347	S12 and (air permeab$6 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:38
S15	2	S12 and (air permeab$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:39
S16	365	S12 and (perforat$5 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:43
S17	92	S12 and (perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:43
S18	1	S12 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:46

S19	3827	(punch device or punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:54
S20	24	S19 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:55
S21	395489	"219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 12:07
S22	81	S21 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 12:08
S24	167	(219/384).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 18:01
S25	0	("L1and(perforat$5)").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/17 18:02
S26	81	S24 and (perforat$5)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 18:02
S27	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:02

S28	0	"L1and(punchdeviceorpunchapparatusandperforat$5)").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/18 16:07
S29	0	S27 and (punch device or punch apparatus and perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:07
S30	0	S27 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:08
S31	0	S27 and (punch apparatus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:08
S32	108	S27 and (perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:08
S33	64	S32 and (electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:10

S34	42	S33 and (air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:15
S35	0	S27 and (punching mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:45
S36	1	S27 and (electrode matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:46
S37	6	S32 and (matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:09
S38	4	S33 and (matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:09
S39	219	S27 and (mechanism or control unit or hydraulic or frequency or voltage or detect$5 or electrode or tension$2 or user interface or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:14

S40	204	S27 and (mechanism or control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:15
S41	0	S30 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:16
S42	173	S40 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:16
S43	103	S42 and (control unit or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:17
S45	3303	electrode matrix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:22
S46	871	S45 and (electrode bar$2 or electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:25

S47	22	S46 and (electrode bar$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:26
S48	856	S45 and (electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:52
S49	36	S45 and (electrode pin or pin electrode or pin-electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:52
S50	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S51	204	S50 and (mechanism or control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S52	173	S51 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58

S53	103	S52 and (control unit or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S54	14	S53 and (control unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S55	8	US-2043219-$.DID. OR US-2127053-$.DID. OR US-4029938-$.DID. OR US-1593817-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 08:50
S56	21	US-2127053-$.DID. OR US-4029938-$.DID. OR DE-04081977-$.DID. OR JP-52096799-$.DID. OR JP-13081977-$.DID. OR US-2339471-$.DID. OR US-1876676-$.DID. OR DE-24022001-$.DID. OR US-7803942-$.DID. OR DE-7390261-$.DID. OR DE-739026101-$.DID. OR US-2387746-$.DID. OR US-3502578-$.DID. OR US-4207458-$.DID. OR US-1722071-$.DID. OR US-1011983-$.DID. OR US-1101981-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 08:53
S57	6	("3,098,143" or "3,348,022" or "3,385,951" or "3,475,591" or "3,760,153" or "3,783,237" or "and3,862,396")).PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 08:57
S58	7	(("3,098,143" or "3,348,022" or "3,385,951" or "3,475,591" or "3,760,153" or "3,783,237" or "3,862,396")).PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 08:57

S59	21	US-2127053-$.DID. OR US-4029938-$.DID. OR DE-04081977-$.DID. OR JP-52096799-$.DID. OR JP-13081977-$.DID. OR US-2339471-$.DID. OR US-1876676-$.DID. OR DE-24022001-$.DID. OR US-7803942-$.DID. OR DE-7390261-$.DID. OR DE-739026101-$.DID. OR US-2387746-$.DID. OR US-3502578-$.DID. OR US-4207458-$.DID. OR US-1722071-$.DID. OR US-1011983-$.DID. OR US-1101981-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 11:17
S60	33	("3,098,143" or "3,348,022" or "3,385,951" or "3,475,591" or "3,760,153" or "3,783,237" or "3,862,396" or "2,372,508" or "3,167,641").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 11:24
S61	3833	(punch device or punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:27
S62	2047	S61 and (punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:27
S63	1	S62 and (punch mechanism and electrode matri$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:28
S64	1	S62 and (punch mechanism and electrode bar$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:29

S65	61	S62 and (punch mechanism and electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:29
S66	0	S50 and (punch mechanism and electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:30
S67	0	S50 and (punch mechanism and electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:30
S68	1	"4,326,909").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 15:42
S69	1	"4,247,754").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 16:58
S70	1	"4,323,082").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 17:03
S71	1	"3,586,006").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/20 08:33
S72	1	"3,583,546").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/20 10:43
S73	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/20 14:11

S74	44	S73 and (detect$5 and tension or stress$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/20 14:11
S75	1	("3475591").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/23 15:16
S76	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:15
S77	2	S76 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:15
S78	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17
S79	108	S78 and (perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17

S80	2	S79 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17
S81	12	S79 and (winding or unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:18
S82	12	S79 and (winding or rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:27
S83	1	S79 and (rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:27
S84	92302	perforating or perforation and winding or rewinding or rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:38
S85	323538	perforating or perforation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:38

S86	1941	S85 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:39
S87	964	S86 and (tension)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:40
S88	501	S86 and (detect$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:40
S89	294	S87 and (detect$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:41
S90	1	S89 and (high voltage generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:42
S91	501	S88 and (detect$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:27

S92	294	S87 and detect$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:28
S93	133	S92 and correct$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:28
S94	24	S93 and user interface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:29
S95	24	S94 and perforat$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:30
S96	3306	electrode matrix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01
S97	873	S96 and (electrode bar$2 or electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01

S98	22	S97 and (electrode bar$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01
S99	2	S98 and (adjusting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:02
S100	1	"20070138004"	US-PGPUB; USPAT	ADJ	ON	2009/02/25 11:45
S101	1	IQBT tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:35
S102	422326	high voltage or high frequency tube$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 12:44
S103	420962	high voltage or high frequency genertor near tube$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 12:44

S104	172698	S103 and (electrode or perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:46
S105	383	S103 and (electrode$2 bar$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:47
S106	383	S104 and (electrode$2 bar$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:48
S107	167	S106 and (tube$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:48
S108	4	S107 and (TQBT tube$2 or vacuum tube or transistor tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:49
S109	420962	high voltage or high frequency genertor near tube$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 16:35

S110	172698	S109 and (electrode or perforat$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 16:35
S111	10062	S110 and (perforat$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:35
S112	9520	S111 and (high voltage or high frequency genertor and tube)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S113	9521	S111 and (high voltage or high frequency generator and tube)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S114	9521	S111 and (high voltage or high frequency generator and tube$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S115	5184	S114 and (tube$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:38
S116	3877	S115 and (electrode bar$2 or angle$2 or adjust$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:40
S117	3193	S116 and (adjust$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:41
S118	262	S116 and (IGBT tube$2 or vacuum tube$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S119	0	S116 and (IGBT tube$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S120	0	S116 and (IQBT tube$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S121	3	IQBT	US-PGPUB; USPAT	ADJ	ON	2009/02/26 17:14

2/27/2009 8:09:56 AM
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